

ABSTRACT OF THE DISCLOSURE

Part A3

An insulating wire separator for piping systems which protects buried pipes and cable from becoming damaged or melted from an accidental electrical charge, or caused by a lighting strike. The insulating wire separator is a multi-purpose clip device used to connect a tracer wire to conduits, cables, or piping. Tracer wires are used to permit detection of buried plastic conduits, cables, or piping using conventional detection methods. The insulating wire separator includes a main conduit receiving portion having an outer strengthening rib. The insulating wire separator includes an arm portion connected to a wire clip portion. Along the arm portion, near the main conduit receiving portion, is a plate portion. The insulating wire separator can be installed on either side or on top of conduits, cables, or piping. The insulating wire separator is preferably composed of a resilient material such as plastic or rubber, so that the insulating wire separator can be resiliently deformed to receive conduits, cables, or piping as well as tracer wires. The insulating wire separator is preferably color coded, with a different color used for each utility.

PARTS LIST

- 100 - Insulating wire Separator apparatus
- 110 - outer strengthening rib
- 120 - main conduit receiving portion
- 5 122 - opening in conduit receiving portion
- 124 - inner radius
- 130 - arm portion
- 140 - plate portion
- 150 - wire clip portion
- 10 151, - first resilient finger
- 152 - second resilient of finger
- 160 - separator post
- 170 - tracer wire
- 180 - main conduit
- 195 210 - first half
- 220 - second half
- 211, 212, 214, 216 - flange portions
- 217, 218 - threaded fasteners
- 221, 223 - respective nuts